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When using the Rollei 7S WiFi video camera, adhere to the following precautions:

1. Do not drop the camera, avoid hard impacts and vibrations. Usage without the waterproof housing affects your warranty!
2. Do not put the video camera close to an object that generates strong magnetic field, such as a magnet or a motor. Do not put the video camera close to an object that emits powerful radio waves, for example, an antenna. Strong magnetic field may cause faults on the video camera or damage the image / voice data.
3. Do not expose the video camera to high temperature or direct sunshine.
4. Do not put the memory card close to an object that generates strong magnetic field, such as a television set, a speaker, or a magnet. Do not put the memory card in a place where static electricity is easily generated.
5. Disconnect the power supply to stop recharging the battery immediately when over heat, smoke, or peculiar smell occurs during recharging.
6. Keep the video camera out of reach of children during recharging, because the power cable may cause asphyxia or electrical shock on children.
7. Store the video camera in a cool, dry, and dust-free place.

Preface

Thank you for purchasing Rollei 7S WiFi series compact high-definition (HD) digital video camera, which has the following characteristics:

- Ultra small size and compact structure
- User-friendly interfaces
- Easy operations
- Hand-free shooting to facilitate shooting of real scenarios at any time and place
- Superior recording performance thanks to dynamic HD shooting technologies, providing you with exciting video shooting experience

This manual describes how to install and use the Rollei 7S WiFi video camera. It also provides information about use, operations, installation precautions, and technical specifications of the Rollei 7S WiFi video camera. Before using the Rollei 7S WiFi video camera, read and understand this manual carefully and keep it properly for future use. Designed to meet the professional requirements, Rollei 7S WiFi video camera will serve you in a long term.

Warranty

This product has been certified by certification bodies for compliance with related safety regulations and specifications issued by the federal communications commission (FCC) and council of Europe (CE).

Dispose of properly. Recycle it for a greener earth!



- Provides 150° wide-angle f/2.7 lens.
- Provides a special-purpose HD lens, which supports 4K Cinema, 4K, 2.7K Cinema, 2.7K, 1080P, 960P, and 720P HD video recording.
- Takes 16M pixels pictures in 4608×3456 resolution.
- Wi-Fi function and more App application .
- Performs 10X digital zooming.
- A new generation of image sensor Exmor R CMOS, photosensitivity doubled. Perfectly show the image details even in low-light environment.
- Synchro Shot function: take one picture during the recording process.
- Performs shooting in multiple modes, such as Single shot, Fast shot, Self Timer.
- Provides unique fast-shot feature, up to 10 photos per second.
- Provides an independent voice recording function for long-time voice recording.
- Provides the 180° photo rollover function.
- Connects to an external TFT screen to view the video recording and playback.
- Provides HDMI and AV output interfaces for easy connecting to HD monitor or TV set to view record files.
- Provides compact and fashionable design.
- Records video programs in MP4 format to facilitate playback on a PC and uploading to video-sharing websites.
- Provide high color fidelity to present more clear and natural video pictures.
- Supports playback, deleting files and other operations on the local video camera.
- Supports 1/4X, 1/2X, 2X, 4X, 8X, 16X fast forwarding and fast rewinding.
- Built-in microphone adopts dual-Mic design to achieve stereo and high-quality recording effect.
- All-round highlight status indicator.
- Built-in G-Sensor can function as automobile black box.
- Supports connecting to an external microphone (special-purpose microphone only).
- Provides a 1/4-inch general-purpose interface to facilitate extension of accessories.
- Accessories adopt strengthened structure with improved reliability and stability.
- Rechargeable built-in high capacity lithium-ion battery extends the video recording time.
- Provides shockproof features to withstand mild drop or knock.
- Provides an IP68 waterproof housing, withstanding a diving depth of 60 meters, and two-types of rear-cover design.
- Provides automatic standby for power saving, and supports automatic saving of audio and video data.

Rollei 7S WiFi Camera



TFT display



Water-proof housing



Plug bracket unit



Waterproof housing rear case



Lithium-ion battery



Vertical-horizontal joint



Curved Adhesive Mount



Flat Adhesive Mount



USB data cable



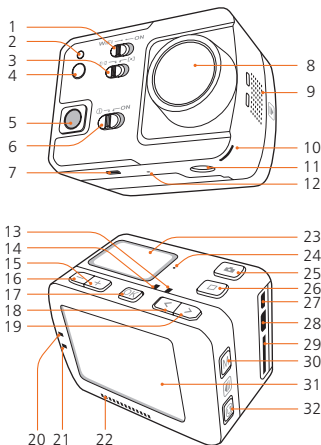
User manual



CD-ROM

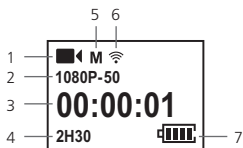


⚠ The accessories you've received may be slightly different from above. The package is subject to change without further notice.



- | | |
|--------------------------------|--------------------------------|
| 1. Wi-Fi key | 17. OK button |
| 2. Wi-Fi status indicator | 18. Left arrow button |
| 3. Light meter mode key | 19. Right arrow button |
| 4. Recording status indicator | 20. Recording status indicator |
| 5. Video recording button | 21. Power status indicator |
| 6. Power on/off key | 22. Speaker |
| 7. Battery lock | 23. LCD segment display |
| 8. Lens | 24. Microphone |
| 9. Cooling hole | 25. Shutter button |
| 10. Recording Status Indicator | 26. Stop button |
| 11. Tripod mount | 27. Mini HDMI interface |
| 12. Microphone | 28. USB interface |
| 13. Charging status indicator | 29. TF card slot |
| 14. Recording status indicator | 30. Menu button |
| 15. Up button | 31. TFT display |
| 16. Down button | 32. Playback button |

1. LCD Segment Display



Video mode



Photo mode

	Icon	Functions
1		Video mode
		Photo mode
2	1080P-50	Video resolution
	16M 12M 8M	Photo resolution
3	100-0088	Number of recorded files
	00:00:01	Recording timer
4	2H30	Remaining recordable time
	1888	Remaining shots
5	M N S	View angle
6		Wi-Fi
7		Battery level

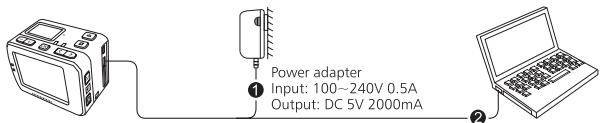
2. Description of Indicators

<div> <div>Position</div> <div>Status</div> </div>	Red indicator	Green indicator	Blue indicator
	Top cover(1) TFT display(1)	Front cover(1) Top cover(1) TFT display(1) Bottom side(2)	Front cover(1)
Startup	Flash once and then Stay on	/	/
Video recording	/	Flash slowly	/
Audio recording	/	Flash slowly	/
Photo shooting	Stay on	Flash once	/
Card full	Stay on	Stay on	/
Charging (switched off)	Flash slowly	/	/
Fully charged (switched off)	Stay on	/	/
Low-battery indicator	Flash fast for 5s and then auto power off	/	/
Data transmission	Stay on	/	flash slowly
Wi-Fi on	Stay on	/	flash slowly

❗ You can long press the Shutter button to turn on/off the screen. The Red LED will be illuminated when screen turns off.

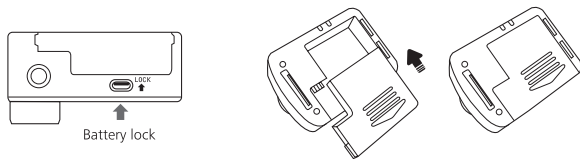
1. Charging

Start up the unit to check the battery power. If the battery level is low, charge it. Use USB cable to charge Rollei 7S WiFi:



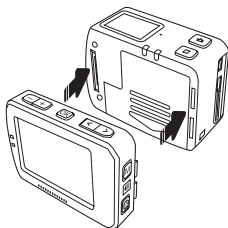
2. Installing the Battery

- Before Installing the battery, ensure that the battery "Battery lock" at the bottom of Rollei 7S WiFi is unlocked.
- Push the battery into the battery slot completely as below:



3. Install TFT Display

Rollei 7S WiFi supports external dedicated 2" TFT display, which can perform Setup, Playback and Delete, etc. on the camera to preview or play back the video. Install the display as shown below:



4. Insert and Remove The Memory Card

Rollei 7S WiFi supports external TF card up to 32GB. Though all TF cards above Class 10 can be used on Rollei 7S WiFi, high-speed card is recommended to perform high-definition shooting. When shooting during dynamic motion, brand SDHC cards are recommended for use in order to ensure smooth shooting.

- * Insert the memory card
 - a. Ensure that Rollei 7S WiFi is switched off.
 - b. Insert TF card into the memory card slot in the arrow direction flatly to the end. A "click" can be heard to indicate the card has been well inserted.
- * Remove the memory card
 Press the center of exposed part of TF card and TF card will pop up slightly. Then pull it out flatly.

! Before connecting the host to Wi-Fi or the remote control, please first insert the TF card.

5. Startup

Turn the power key to "ON" to turn on Rollei 7S WiFi:



Red indicators will be lit up, Rollei 7S WiFi enters recording standby mode.

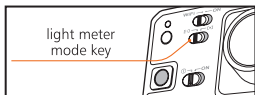
When host in power-on state, you can long press the Shutter button and Stop button simultaneously for 5s then release the buttons to turn it off. After the host turn off, you can long press the Shutter button and Stop button simultaneously for 5s then release the buttons to turn it on.

6. Select Light Metering Mode

To achieve the best exposure effect, use central spot light metering mode when the central spot is bright while the surrounding environment is dark.

"": Turn on central spot metering

"": Turn off central spot metering



1. Basic Operations of Video Recording

- Turn on Rollei 7S WiFi to enter recording standby mode;
 - Aim the lens to the subject and preview it in TFT display;
 - Press "Video recording" button once to start video recording;
- The system will tick once to indicate the effective of video recording, TFT display is shown as below for video recording:



- During video recording, press the "Stop" button once to stop video recording.
 - the system generates a tick tone twice, indicating that the video recording operation stops recording, and the time counter stops.
 - The display will return to recording standby mode.

2. Parameter Setting For Video Recording

Perform the following steps to set the parameters for video recording:

- Press "M" button to enter the setting menu;
- Press "+" / "-" button to select " ";
- Press "<" / ">" button to move cursor to the sub-menu you want to configure, Press "OK" button to enter the sub-menu;
- Press "<" / ">" button to select the parameters you want;
- Press "OK" button to confirm;
- Press "M" button again to exit the setting menu.

• Execution Mode

Select the execution mode you want, Press "OK" button to confirm, Press "M" button again to exit the setting menu.



: Video recording



: Video-only



: Voice recording



: Time Lapse



: Auto video

- Video-only Mode: In this mode, you can record a video without voice.
- Time Lapse Mode: Time Lapse function can record one picture as a frame of the video according to the time interval you set. It doesn't need the post editing, and can easily make the continuous evolution and movement. The available options are 0.5s, 1s, 2s, 5s, 10s and 30s. (The function is unavailable in 4K Cinema, 4K, 2.7K Cinema, 2.7K and 720P modes.)

- Auto Video Mode: If this function is enabled, the system will auto start recording videos according to the countdown time you set. The available options are 5s, 10s, 20s.

• Video resolution

The optional resolutions for video recording are listed as below:

Resolutions	PAL System	NTSC System
4K Cinema (17:9)	4096 x 2160 12fps	
4K(16:9) 3840 x 2160	12.5fps	15fps
2.7K Cinema (17:9)	2704 x 1440 24fps	
2.7K(16:9) 2704 x 1524	25fps	30fps
1080P(16:9) 1920 x 1080	24fps, 25fps, 48fps, 50fps	24fps, 30fps, 48fps, 60fps
960P(4:3) 1280 x 960	48fps, 50fps	48fps, 60fps
720P(16:9) 1280 x 720	50fps, 100fps	60fps, 120fps

• View Angle

Optional view angle: Wide, Medium, Narrow, Small. (The function is unavailable in 4K Cinema, 4K, 2.7K Cinema and 2.7K modes.)


 Wide

 Medium

 Narrow

 Small

• Bitrate

This unit provides two bit rate options: high "  " and normal "  ". (If high bit rate is selected, you will get clearer picture with increased file size).

• Video Content Loop

You can activate or deactivate loop recording function. If ON, video file will be automatically stored in segment of 10 minutes; If OFF, video file will be stored in segment of 15 minutes.

• 180° Photo Rollover

When this function is activated, upright video file can be obtained when using Rollei 7S WiFi to shoot video upside down. (The function is unavailable in 4K Cinema, 4K, 2.7K Cinema, 2.7K, 1080P 48f/50f/60f and 720P 100f/120f modes.)

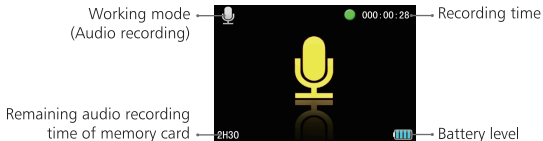
• Display Time

You can choose to display or not display the video recording time at the bottom right corner of the photo. (The function is unavailable in 4K Cinema, 4K, 2.7K Cinema, 2.7K, 1080P 48f/50f/60f and 720P 100f/120f modes.)

3. Audio Record

* Operating procedures for audio record:

- Enter audio record mode and press "Video Recording" button to start audio recording.
- The system will tick once to indicate the effective of aideo recording.



- During audio recording, press the "Stop" button once to stop audio recording.
- The system generates a tick tone twice, indicating that the video recording operation stops.
- The display will return to recording standby mode.

* Exit audio record mode:

- Press "M" button to enter the camera setting menu;
- Press "<" / ">" button to select "📷" and press "OK" button to confirm;
- Press "<" / ">" button to select "🔊" mode and press "OK" button to confirm, Rollei 7S WiFi will return to recording standby mode.

Photo Modes

1. Operating Procedure for Photo Shooting

- Turn on Rollei 7S WiFi to enter recording standby mode;
- Cast the lens to the subject and preview it on the display;
- Press the "Shutter" button once to switch the working mode to "photo modes";
- Press the "Shutter" button again to shoot one photo.
- The system generates will click to indicate completion and the system will return to photo shooting standby mode;
- TFT display under photo shooting mode is shown as below:



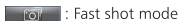
2. Parameter Settings for Photo Shooting

Perform the following steps to set the parameters for photo shooting:

- Press "M" button to enter the setting menu;
- Press "+" / "-" button to select "⌂";
- Press "<" / ">" button to move blue cursor to the sub-menu you want to configure, Press "OK" button to enter the sub-menu;
- Press "<" / ">" button to select the parameters you want;
- Press "OK" button to confirm;
- Press "M" button again to exit the setting menu.

• Capture Mode

Select the capture mode you want, Press "OK" button to confirm, Press "M" button again to exit the setting menu.



- Single Shot Mode: Take one photo when the photo shooting button is pressed.
- Fast Shot Mode: Rollei 7S WiFi takes several photos within one second. three modes are available: 3 p/s, 6 p/s and 10 p/s (photo/second).
- Self Timer Mode: When the "Shutter" button is pressed once under recording standby mode, Rollei 7S WiFi will start countdown and take a photo at the set time. The available modes options are 3s, 5s, 10s.

• Photo Resolution


Three optional resolutions include:

Select the required resolution for shooting. You can set this parameter to "8M", "12M" or "16M".

• Display Time

You can choose to display or not display the photo shooting time at the bottom right corner of the photo.

To set parameters, perform the following operations

- Press "M" button to enter the camera setting menu;
- Press "-" / "+" button to select "  ";
- Press "<" / ">" button to move blue cursor to the sub-menu you want to configure, Press "OK" button to confirm;

- **Warning Tone**

Adjust the loudness or mute of buzzer. three modes are available: Off, Medium(50%) and Standard(100%).

- **Status Indicator**

Activate or deactivate the status indicators. three modes are available: Off (All OFF), Two (Only front cover and top cover) and On (All ON).

- **On Screen Display**

Display or hide the recording icons or information on the display screen.

- **Auto To Standby**

Rollei 7S WiFi is set to automatically enter standby mode if no operation is (photo shooting, video recording or button operation) carried out in certain time. If any operation is carried out in the timing process, the timer will be reset. Under standby mode, press video recording button/shutter button/stop button to awaken Rollei 7S WiFi. The available modes options are Off, 2 minutes, 5 minutes and 10 minutes.

- **TV Output Format**

This setting is designed to ensure that the frame rate of video recording matches with the playback format of on TV.

- **G-SENSOR**

If this parameter is set to "ON". The system will automatically start video recording in case of shock or tilting, etc. Especially when this mode is applied in fixed installation. When the camera does not sense any gravity change for 3 minutes, it will exit video recording.

- **Language**

select the required language.

- **Date/Time**

You can adjust the date and time, which are overlapped in the bottom-right corner of a video or shooting file during video recording or shooting.

- **Format**

This option allows all the files in the memory is cleared.

- **Recover Factory Setting**

This option allows all the settings of the system to be restored to original factory settings.

1. Operating Procedure for Playback

- Press the "playback" button to enter playback interface;
- Press "Video recording" button to select the file type and press "OK" button to confirm;
 - : View video files
 - : View photo files
 - : View all video/audio/photo files
- Press "<" / ">" / "+" / "-" button to move the cursor to the thumbnail of the file you want to play back;
- Press "OK" button to enter the playback interface and press "OK" button to play it.


- When playing video files, the functions of various buttons are listed as below:

Button	Functions	Button	Functions
-	Decrease volume;	+	Increase volume;
<	Fast rewind;	>	Fast forward;
	Press it to return to the file preview interface;	OK	Play/pause.

- When reviewing photos, the functions of various buttons are listed as below:

Button	Functions	Button	Functions
-	Zoom out; In zoom-in mode, when you press "OK", you can press "-" to move the photo downward;	+	Zoom in; In zoom-in mode, when you press "OK", you can press "+" to move the photo upward;
<	In zoom-in mode, when you press "OK", you can press "<" to move the photo rightward; When a photo is displayed in its actual size, press "<" to view the previous photo;	>	In zoom-in mode, when you press "OK", you can press ">" to move the photo leftward; When a photo is displayed in its actual size, press ">" to view the next photo;
	Press it to return to the file preview interface;	OK	When a photo is displayed in its actual size, press "OK" to rotate it; In zoom-in mode, when you press "OK", the "↕" icon will appear in the upper left corner, you can to move the photo;

- When playing audio files, the functions of various buttons are listed as below:

Button	Functions	Button	Functions
-	Decrease volume;	+	Increase volume;
	Press it to return to the file preview interface;	OK	Play/pause.

2. Delete Files

- Under file playback or thumbnail preview mode, move the cursor to the file icon you want to delete;
- Press "M" button to enter file operation mode and move the cursor to "Delete file";
- Press "OK" button to confirm;
- Move the cursor to "delete single"/"delete all" and press "OK" button to delete the file(s).



: Delete single



: Delete all

3. File Protection and Unlocking

- Under file playback or thumbnail preview mode, move the cursor to the file icon you want to protection;
- Press "M" button to enter file operation mode and move the cursor to "file protection";
- Press "OK" button to confirm;
- Select protection type and press "OK" to confirm:



: Protect single



: Protect all



: Unlock single



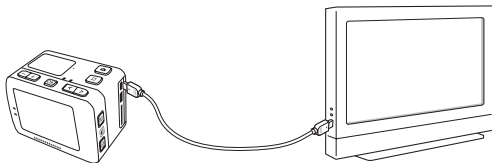
: Unlock all

! The protected files cannot be deleted. However, such files can be deleted by formatting.

4. View Video/Photo On HDTV

The recorded files can also be played on TV or display with HDMI interface.

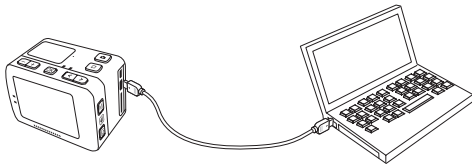
Ensure that your camera is properly configured to NTSC (North America) or PAL (Non-North America) video format; otherwise, the video and images on Rollei 7S WiFi cannot be properly displayed on TV. Use HDMI cable to connect Rollei 7S WiFi to the TV set:



❗ This function is not available when opening Wi-Fi.

5. Upload Audio/Video/Photo Files to PC

a. Use USB data cable to connect the camera to a PC;



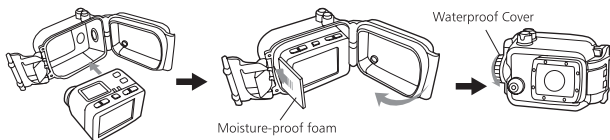
- b. Switch on Rollei 7S WiFi;
- c. Click the "My Computer" icon on the desktop and find the "Removable Disc". If the camera is not detected, close "My Computer" window and reopen it after a while. The "removable disc" will be displayed;
- d. Double click the "removable disc" icon;
- e. Enter the "removable disc" and copy/move the file to the PC's hard disk.

Rollei 7S WiFi is suitable for handheld use or hand-free use at most places by using appropriate accessories. Rollei 7S WiFi fitted with water-proof housing can be used to record videos underwater.

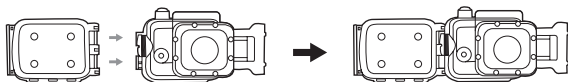
Water-proof Housing and Moisture-proof Foam

Rollei 7S WiFi water-proof housing up to IP68 can protect the camera 60 meters underwater. In order to avoid and reduce the dewing on the glass of the water-proof house, we suggest inputting the moistureproof cotton inside the water-proof case in big temperature range environment.

Follow these steps to load Rollei 7S WiFi into water-proof housing:



Follow these steps to assemble the waterproof housing rear case:



Precautions for the Waterproof Housing:

The waterproof housing is a precision component. When using the waterproof housing, adhere to the following precautions:

1. Do not randomly remove or change the O-ring, key, and lens cover. Otherwise, the waterproof performance deteriorates.
2. Do not put the waterproof housing in a place where corrosive gases are easily generated due to strong acid or alkali. Do not make the waterproof housing in contact with chemical or corrosive objects, such as strong acid or alkali.
3. Do not put the waterproof housing in a place where temperature is high (50°C) or low (-10°C) for a long time to avoid deformation.
4. Do not expose the Rollei 7S WiFi video camera to sunshine for a long time to avoid deterioration of the waterproof performance.
5. Before use, ensure that the O-ring is intact, the seal is litter-free, the housing is fully sealed, and the buckle is tight.
6. After using the housing in sea water, wash it using fresh water, clean it, and dry it in a cool place.

Specifications

Description	Specifications
Visual angle	150°
Aperture	f/2.7
Digital zoom ratio	10X
Pixel	16 million
Video recording format	MP4
Audio recording format	WAV
Photo format	JPG (JPEG)
WIFI-Distance/Mobil Device	est. 40 Meter (max.)
WIFI-Distance/Remote*	est. 100 Meter (max.)
Storage medium	Up to 32GB external Micro TF card
Standard battery capacity	1500mAh
Power consumption	600mA
Recharging duration	USB Cable: About 3.5 hours
Maximum video recording time	About 110 minute (Max.)
Maximum audio recording time	About 240 minute (Max.)
TFT Display	2.0" true color TFT display (16:9)
LED Dot-matrix screen	25×16mm FSTN (lattice screen)
Operating platform requirements	Operating system: Windows XP SP2 / Vista or above / Mac OS;
Storage temperature	-20°C ~ 60°C
Operating temperature	-10°C ~ 50°C
Dimension	L60 × W43 × H46mm(including TFT screen)
	L60 × W43 × H34.5mm(excluding TFT screen)
Unit weight	113g (including TFT screen and battery)
	54g (excluding TFT screen and battery)

❗ As our products undergo continuous development, the specifications are subject to change without prior notice. (*not included)

1. When the unit is in used for long period, it is natural that its surface temperature will rise.
2. If you will not use the unit for long period, it is suggested that you charge it once every 6th month to maintain the performance of battery.
3. Use of digital zooming function during shooting will have slight impact on the image quality.
4. The visual angles under different modes will be slightly different.
5. To smoothly play a high-definition video file, it is suggested to use a PC or other professional device.
6. If you enable cyclic recording function for long period or frequently shoot/delete photos, the memory card may have data fragments so that you may not be able to store or shoot photos. Please back up the data to external storage medium and perform formatting operation to the memory card.
7. When the camera works in a high-temperature environment, the lattice screen may become black, which is a normal phenomenon and will not affect its function.
8. When the camera is used for a long time, the temperature of the metal parts near the lens may rise, which is a normal phenomenon; please do not touch the heated metal parts.
9. Hot plugging is not supported; in case of white screen, please restart the camera to return to normal.

Notice

When using the Rollei 7S WiFi video camera, pay attention to the following notice information:

1. During continuous use, the body temperature of the Rollei 7S WiFi video camera increases. This situation is normal.
2. If the Rollei 7S WiFi video camera is not used for a long time, remove and maintain the battery properly, and recharge the battery every six months to ensure the battery performance.
3. During recording, enabling the digital zooming function may affect the image quality.
4. Shooting view angles are slightly different in different working modes of the video camera.
5. If a video file is large, a computer or a special-purpose player is preferred for smooth play.

License Statement



The software used in this product is licensed subject to a license pursuant to the GNU – General Public License conditions. We expressly draw attention to the fact that under the GNU – General Public License conditions no liability is accepted.

The starting point for the software is the software published online at

<http://sg-gpl.net/>

The software listed there is licensed pursuant to the GNU – General Public License conditions.

Device-related changes have been made to this software for the product in question. The source text of the software implemented in the product in question can be obtained in response to an enquiry sent to the e-mail address

info@rollei.com

In this instance your e-mail must contain details of what the relevant product is, the relevant serial number and documentary evidence of your commercial source of supply as well as documentary evidence of the date on which the product was purchased from the trade source of supply. We guarantee supply of the source text of the implemented software for a period of at least three years from date of purchase from the trade source of supply where the trade source of supply has sourced the product from us directly or via strictly trade-only dealers.

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